

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ping Zhu

Serial No.: 10/043,995

Art Unit: 1642

Filed: January 11, 2002

Examiner: Not Yet Assigned

For: *PRODUCTION METHOD OF MICRO-REACTORS GENE CHIPS*

Assistant Commissioner for Patents
Washington, D.C. 20231

COMMUNICATION RE: INFORMATION DISCLOSURE STATEMENT

Sir:


An Information Disclosure Statement, including three (3) pages of Form PTO-1449 was filed on July 15, 2002 with respect to the above mentioned U.S. Application. Applicant is unable to provide copies of the following three (3) references and would like to withdraw them from the Information Disclosure Statement. For the convenience of the Examiner, Applicant encloses a new PTO Form-1449 (2 pages).

CRONIN et al., Hybridization to Arrays of Oligonucleotides, Poster Presentation: Nucleic Acids In Medical Applications Conference sponsored by AACCC, published in conference syllabus, Cancun, Mexico, 1993.

LIPSHU TZ et al., Oligonucleotide Arrays for Hybridization Analysis, Genome Sequencing and Analysis Conference V, Hilton Head, SC 1993.

LOBBAN et al., DNA Chips for Genetic Analysis, Genome Sequencing and
Analysis Conference V, Hilton Head, SC, 1993.

Respectfully submitted,


Zhaoyang Li
Reg. No. 46,872

Dated: September 16, 2002

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Serial Number: 10/043,995

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant's Name: Ping Zhu

Complete if Known

Application Number	10,043,995
Filing Date	January 11, 2002
First Named Inventor	Ping Zhu
Group Art Unit	1642
Examiner Name	
Attorney Docket Number	PKU 100

U.S. PATENT DOCUMENTS

Document Number	Document Title	Document Type	Document Number	Document Title	Document Type
1	10/043,995	Application	2	10/043,995	Application
3	10/043,995	Application	4	10/043,995	Application
5	10/043,995	Application	6	10/043,995	Application
7	10/043,995	Application	8	10/043,995	Application
9	10/043,995	Application	10	10/043,995	Application
11	10/043,995	Application	12	10/043,995	Application
13	10/043,995	Application	14	10/043,995	Application
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95	10/043,995	Application	96	10/043,995	Application
97	10/043,995	Application	98	10/043,995	Application
99	10/043,995	Application	100	10/043,995	Application

FOREIGN PATENT DOCUMENTS

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97	10/043,995	Application	98	10/043,995	Application
99	10/043,995	Application	100	10/043,995	Application

EXAMINER'S NOTE: This document is a copy of the original document filed with the USPTO. It is not a certified copy. The examiner's note is for the examiner's use only and should not be used for any other purpose.

1. The present invention relates to a method for determining the similarity of two documents. The method involves comparing the documents and determining the similarity of the documents. The method is described in detail in the following paragraphs.

2. The present invention relates to a method for determining the similarity of two documents. The method involves comparing the documents and determining the similarity of the documents. The method is described in detail in the following paragraphs.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	10:043.995
Filing Date	January 11, 2002
First Named Inventor	Ping Zhu
Group Art Unit	1642
Examiner Name	
Attorney Docket Number	PKU 100

OTHER ART, NON-PATENT LITERATURE, DOCUMENTS

EP 0464141 (1991) - Expression of a human gene encoding a DNA topoisomerase (Gordon Res. 1, 8, 10, 124-125)

U.S. Pat. 5,152,000 (1992) - Human gene encoding a DNA topoisomerase (Gordon Res. 1, 8, 10, 124-125)

EP 0464141 (1991) - DNA sequencing (Gordon Res. 1, 8, 10, 124-125)

MARAS (1991) - Methods for Enzymatic (Gordon Res. 1, 8, 10, 124-125)

PARTHEN (1991) - A system for specifying the structure of a protein (Gordon Res. 1, 8, 10, 124-125)

SAMBROOK (1989) - Synthetic Oligonucleotide Phosphorimetric Analysis (Gordon Res. 1, 8, 10, 124-125)

SANDE (1991) - DNA sequencing with a modified base (Gordon Res. 1, 8, 10, 124-125)

SOUTHERN (1991) - Analyzing and Comparing DNA Sequences by Hybridization Analysis of Oligonucleotides (Gordon Res. 1, 8, 10, 124-125)

WATSON (1991) - A new method for sequencing DNA (Gordon Res. 1, 8, 10, 124-125)

SI-MAR-100-111-AP10

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant's Name: [Redacted]

Serial Number: [Redacted]

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Application Number	10,043,995
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First Named Inventor	Ping Zhu
Group Art Unit	1642
Examiner Name	
Attorney Docket Number	PKU 100

OTHER ART - NON-PATENT LITERATURE DOCUMENTS

- Below are the other art - non-patent literature documents that are known to the applicant and that are relevant to the invention of the present application. The applicant hereby certifies that the information disclosed herein is true and correct to the best of their knowledge and belief.
- BELOU, et al. "Identification of genes that are up-regulated in response to hypoxia using cDNA microarray technology." *Proc Natl Acad Sci USA* 99:11111-11116 (2002).
- CHENG, et al. "Analysis of gene expression products and their functions in the process of using an in vitro process." *J Chromatogr B* 771:175-186 (2001).
- DERISI, et al. "Use of a DNA microarray to analyze gene expression patterns in tumor cells." *Nature Genet* 14:457-463 (1997).
- EVER, et al. "Identification of genes that are up-regulated in response to hypoxia using cDNA microarray technology." *Proc Natl Acad Sci USA* 99:11111-11116 (2002).
- KAPP, et al. "Identification of genes that are up-regulated in response to hypoxia using cDNA microarray technology." *Proc Natl Acad Sci USA* 99:11111-11116 (2002).
- KHAN, et al. "Expression profile of genes using cDNA microarray." *Electron Biophys* 21:223-224 (1998).
- LOCKHART, et al. "Expression of genes in response to hypoxia using cDNA microarray technology." *Proc Natl Acad Sci USA* 99:11111-11116 (2002).
- RAMSA, et al. "DNA microarray technology." *Nature Biotech* 19:111-112 (2001).
- WANG, et al. "Identification of the genes responsive to etoposide-induced apoptosis: application of DNA microarray technology." *FEBS Letters* 448:259-273 (1999).
- WEILMAN, et al. "Identification of genes that are up-regulated in response to hypoxia using cDNA microarray technology." *Proc Natl Acad Sci USA* 99:11111-11116 (2002).

Applicant's Name	[Redacted]	Applicant's Address	[Redacted]
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

See Remarks, if any, on this page.

Complete if Known

Application Number	10/043,995
Filing Date	January 11, 2002
First Named Inventor	Ping Zhu
Group Art Unit	1642
Examiner Name	
Attorney Docket Number	PKU 100

OTHER ART - NON-PATENT LITERATURE DOCUMENTS

1. ZHANG et al., Using TCR α variable region polymorphism to predict onset of disease symptoms in patients with B-cell Health B-cell, p. 14 (2001).

2. ZHU et al., PCR Primers for Genotyping of the Human TCR α Gene, p. 1 (2001).

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Applicants: Ping Zhu

Serial No.: 10/043,995

Art Unit: 1642

Filed: January 11, 2002

Examiner: Not Yet Assigned

For: *PRODUCTION METHOD OF MICRO-REACTORS GENE CHIPS*

Assistant Commissioner for Patents
Washington, D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir,

Pursuant to the duty of disclosure under 37 C.F.R. §1.56 and 37 C.F.R. §1.97, Applicant submits a Supplemental Information Disclosure Statement, including two (2) pages of Form PTO 1449, and copies of the twelve (12) documents cited therein.

It is believed that no fee is required with this submission. However, should a fee be required, the Commissioner is hereby authorized to charge any fees to Deposit Account No. 501868.

ISSN: 10043,995
Date: January 11, 2002
SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT

Publications

BELOV, et al., "Immunophenotyping of leukemias using a cluster of differentiation antibody microarray," *Cancer-Res.* 61(11): 4483-4489 (2001).

CHENG, et al., "Analysis of ligase chain reaction products amplified in a silicon glass chips using capillary electrophoresis," *J. Chromatog.* 732: 151-158 (1996).

DERISI, et al., "Use of a cDNA microarray to analyze gene expression patterns in human cancer," *Nature Genet.* 14: 457-460 (1996).

IYER, et al., "The transcriptional program in the response of human fibroblast to serum," *Science* 283(1): 83-87 (1999).

KAPP, et al., "Interleukin 13 is secreted by and stimulates the growth of Hodgkin and Reed-Sternberg cells," *Journal Exp. Med.* 189(12): 1939-1945 (1999).

KHAN, et al., "Expression profiling in cancer using cDNA microarrays," *Electrophoresis* 20: 223-229 (1999).

LOCKHART, et al., "Expression monitoring by hybridization to high-density oligonucleotide arrays," *Nature Biotechnol.* 14: 1675-1680 (1996).

RAMSAY, "DNA chips: State of art," *Nature Biotechnol.* 16(1): 40-44 (1998).

WANG, et al., "Identification of the genes responsive to etoposide induced apoptosis: application of DNA chip technology," *ELBS Letters* 445: 269-273 (1999).

WELLMAN, et al., "Detection of differentially expressed genes in lymphomas using cDNA arrays: identification of clustering as a new diagnostic marker for anaplastic large cell lymphomas," *Blood* 96(2): 398-404 (2000).

ZHANG, et al., "Using TCR b variable region gene array in reflecting the alteration of disease lymphocytic clonality," *Chin. J. Birth Health Heredity* 9(6): 1-4 (2001).

ZHU, et al., "PCR (Polymorase Chain Reaction) Gene Chips," *J. Peking Univ. (medicine)* September 2002, in press.

USPN 10 043,995
Filed January 11, 2002
SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT

Remarks

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicant invites the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicant is of the opinion that his claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,



Zhao Yang Li
Reg. No. 46,872

Dated: September 16, 2002

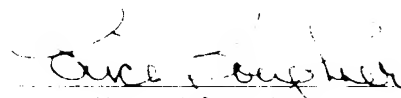
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USPN 10,043,995
Filed January 11, 2002
SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT

Certificate of Mailing under 37 CFR §1.8(a)

I hereby certify that this Supplemental Information Disclosure Statement, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Date: September 16, 2002


Erica C. Boughner

ATTN #54101631